

A. CLASSIFICATION OF SUBJECT MATTER IPC7: B03C 3/16 // B03C 3/01 According to International Patent Classification (IPC) or to both national classification and IPC							
B. FIELDS SEARCHED Minimum documentation searched (classification system followed by classification symbols) IPC7: B03C Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched SE,DK,FI,NO classes as above Electronic data base consulted during the international search (name of data base and, where practicable, search terms used) EPO-INTERNAL, WPI DATA, PAJ							
C. DOCUMENTS CONSIDERED TO BE RELEVANT							
Category*	<table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="width: 10%; padding: 5px;">Citation of document, with indication, where appropriate, of the relevant passages</th> <th style="width: 10%; padding: 5px;">Relevant to claim No.</th> </tr> </thead> <tbody> <tr> <td style="padding: 5px; vertical-align: top;"> A PATENT ABSTRACTS OF JAPAN vol 007, no. 181 (C-180), 10 August 1983 (1983-08-10) & JP 58088044 A (SANYO DENKI KK) 26 May 1983 (1983-05-26) abstract </td> <td style="padding: 5px; vertical-align: top; text-align: center;"> 1-5 </td> </tr> <tr> <td style="padding: 5px; vertical-align: top;"> A PATENT ABSTRACTS OF JAPAN vol. 2003, no. 12, 05 December 2003 (2003-12-05) & JP 2003275291 A (MITSUBISHI ELECTRIC CORP), 30 September 2003 (2003-09-30) abstract </td> <td style="padding: 5px; vertical-align: top; text-align: center;"> 1-5 </td> </tr> </tbody> </table>	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.	A PATENT ABSTRACTS OF JAPAN vol 007, no. 181 (C-180), 10 August 1983 (1983-08-10) & JP 58088044 A (SANYO DENKI KK) 26 May 1983 (1983-05-26) abstract	1-5	A PATENT ABSTRACTS OF JAPAN vol. 2003, no. 12, 05 December 2003 (2003-12-05) & JP 2003275291 A (MITSUBISHI ELECTRIC CORP), 30 September 2003 (2003-09-30) abstract	1-5
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<input checked="" type="checkbox"/> Further documents are listed in the continuation of Box C. <input checked="" type="checkbox"/> See patent family annex.							
<table style="width: 100%;"> <tr> <td style="width: 50%; vertical-align: top;"> * Special categories of cited documents: "A" document defining the general state of the art which is not considered to be of particular relevance "E" earlier application or patent but published on or after the international filing date "L" document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified) "O" document referring to an oral disclosure, use, exhibition or other means "P" document published prior to the international filing date but later than the priority date claimed </td> <td style="width: 50%; vertical-align: top;"> "T" later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention "X" document of particular relevance: the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone "Y" document of particular relevance: the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art "&" document member of the same patent family </td> </tr> </table>		* Special categories of cited documents: "A" document defining the general state of the art which is not considered to be of particular relevance "E" earlier application or patent but published on or after the international filing date "L" document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified) "O" document referring to an oral disclosure, use, exhibition or other means "P" document published prior to the international filing date but later than the priority date claimed	"T" later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention "X" document of particular relevance: the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone "Y" document of particular relevance: the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art "&" document member of the same patent family				
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Date of the actual completion of the international search 29 June 2005	Date of mailing of the international search report 06-07-2005						
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INTERNATIONAL SEARCH REPORT

International application No.

PCT/FI 2005/000161

C (Continuation). DOCUMENTS CONSIDERED TO BE RELEVANT

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
A	WO 02085524 A1 (KOENIG AG), 31 October 2002 (31.10.2002), figure 1, abstract --	1-5
A	US 4141698 A (P.G. KIHLESTEDT ET AL), 27 February 1979 (27.02.1979), figure 1, abstract --	1-5
A	US 3643623 A (J.W. ENG ET AL), 22 February 1972 (22.02.1972), figure 2, abstract -- -----	1-5

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Information on patent family members

28/05/2005

International application No.

PCT/FI 2005/000161

WO	02085524	A1	31/10/2002	EP	1381469 A	21/01/2004
US	4141698	A	27/02/1979	CA	1089376 A	11/11/1980
				DE	2723841 A	15/12/1977
				DK	241477 A	02/12/1977
				FI	59030 B,C	27/02/1981
				FI	771673 A	02/12/1977
				FR	2353334 A	30/12/1977
				GB	1545022 A	02/05/1979
				JP	52147379 A	07/12/1977
				NL	7705967 A	05/12/1977
				NO	140879 B,C	27/08/1979
				NO	771895 A	02/12/1977
				SE	396192 B,C	12/09/1977
US	3643623	A	22/02/1972	US	3494099 A	10/02/1970
				US	3643624 A	22/02/1972